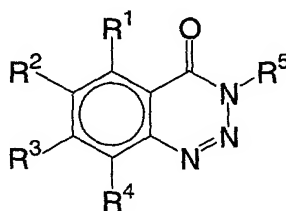


WHAT IS CLAIMED IS:

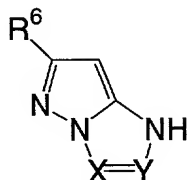
1. A thermal recording material comprising:  
a support; and  
a thermal recording layer provided on the support, and including a compound represented by the following general formula (1), a compound represented by the following general formula (2), and a compound represented by the general formula (3):

General Formula (1)



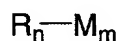
wherein, in general formula (1): R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> each independently represent a group selected from the group consisting of a hydrogen atom, halogen atoms, alkyl groups, aryl groups, -OR<sup>51</sup>, -SR<sup>51</sup>, -COOR<sup>51</sup>, -CONR<sup>51</sup>R<sup>52</sup>, -SO<sub>2</sub>R<sup>51</sup>, -SO<sub>2</sub>NR<sup>51</sup>R<sup>52</sup>, -COR<sup>51</sup>, -NR<sup>51</sup>R<sup>52</sup>, nitro groups and cyano groups; R<sup>51</sup> and R<sup>52</sup> each independently represent a group selected from the group consisting of a hydrogen atom, alkyl groups, aryl groups and acyl groups; R<sup>5</sup> represents a group selected from the group consisting of a hydrogen atom, alkyl groups, aryl groups, -COOR<sup>53</sup>, -CONR<sup>53</sup>R<sup>54</sup>, -SO<sub>2</sub>R<sup>53</sup>, -SO<sub>2</sub>NR<sup>53</sup>R<sup>54</sup>, and -COR<sup>53</sup>; and R<sup>53</sup> and R<sup>54</sup> each independently represent a group selected from the group consisting of a hydrogen atom, alkyl groups, aryl groups and acyl groups:

General Formula (2)



in general formula (2): R<sup>6</sup> represents an alkyl group or an aryl group; one of X and Y represents C-R<sup>7</sup> and the other of X and Y represents N; and R<sup>7</sup> represents an alkyl group or an aryl group, and:

General Formula (3)



in general formula (3): R represents an anion with a valency from 1 to 3; M represents a metal ion with a valency from 1 to 3; and n and m each independently represents an integer from 1 to 3.

2. The thermal recording material according to claim 1, wherein the compound represented by general formula (1) comprises a solid content coating amount thereof from 0.1 to 0.8 mmol/m<sup>2</sup>.

3. The thermal recording material according to claim 1, wherein the compound represented by general formula (2) comprises a solid content coating amount thereof from 0.3 to 2.4 mmol/m<sup>2</sup>.

4. The thermal recording material according to claim 1, wherein the compound represented by general formula (3) comprises a solid content coating amount thereof from 0.3 to 2.4 mmol/m<sup>2</sup>.

5. The thermal recording material according to claim 1, wherein the compound represented by general formula (2) comprises a proportional amount thereof from 0.1 to 20 mol relative to one mole of the compound represented by general formula (1).

6. The thermal recording material according to claim 1, wherein the compound represented by general formula (3) comprises a proportional amount thereof from 0.01 to 10 mol relative to one mole of the compound represented by general formula (2).

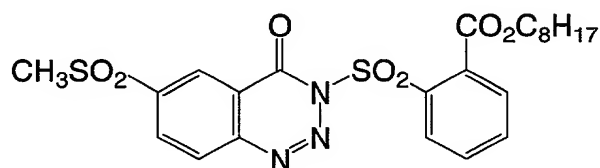
7. The thermal recording material according to claim 1, wherein the anion with a valency from 1 to 3 represented by R in general formula (3) comprises an anion selected from the group consisting of phenol anions, alcohol anions, mercaptan ions, carboxylate ions, sulfonate ions, thiocarboxylate ions, dithiocarboxylate ions, dithiocarbamate ions, thiocarbonate ions, phosphate ions, monoalkylphosphate ions, dialkylphosphate ions, phosphonate ions, acetylacetone ions and salicylate ions.

8. The thermal recording material according to claim 1, wherein the metal ion with a valency from 1 to 3 represented by M in general formula (3)

comprises a metal ion selected from the group consisting of  $\text{Zn}^{2+}$ ,  $\text{Fe}^{2+}$ ,  $\text{Fe}^{3+}$ ,  $\text{Ni}^{2+}$  and  $\text{Al}^{3+}$ .

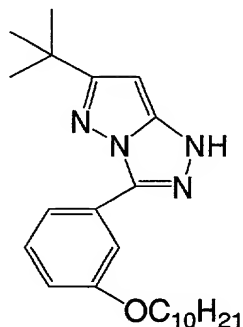
9. The thermal recording material according to claim 1, wherein the compound represented by general formula (1) comprises the following diazo compound (C):

Diazo Compound (C) :

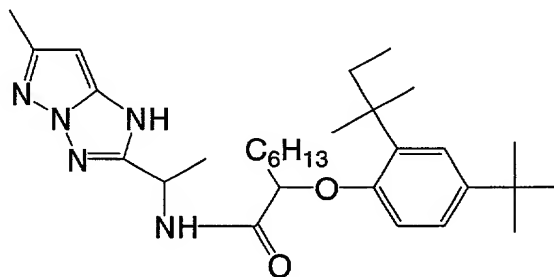


10. The thermal recording material according to claim 1, wherein the compound represented by general formula (2) comprises at least one compound selected from the group consisting of the following coupler compound (F), the following coupler compound (G) and the following coupler compound (H):

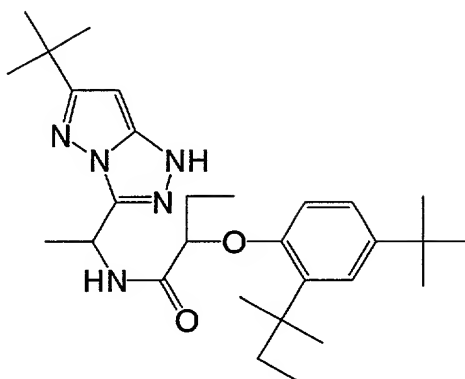
Coupler Compound (F) :



Coupler Compound (G) :

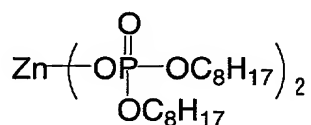


Coupler Compound (H) :

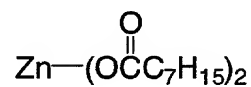


11. The thermal recording material according to claim 1, wherein the compound represented by general formula (3) comprises at least one of the following zinc compounds (A) and (B):

Zinc Compound (A) :



Zinc Compound (B) :



12. The thermal recording material according to claim 1, wherein at least one of the compounds represented by the general formulae (1) to (3) is encapsulated in microcapsules.

13. The thermal recording material according to claim 1, wherein the compound represented by the general formula (1) is encapsulated in microcapsules.

14. The thermal recording material according to claim 1, wherein

the thermal recording layer further comprises an organic base.

15. The thermal recording material according to claim 1, wherein the thermal recording layer further comprises a color-formation promoter.

16. The thermal recording material according to claim 1, wherein the thermal recording layer further comprises a free radical generator.